WHAT IS CLAIMED IS:

immunogen.

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A method for immunizing an animal against heterologous HIV-1 comprising
administering to said animal an immunogen comprising at least one modified HIV-1
envelope protein or fragment thereof, or DNA or virus encoding said at least one
modified HIV-1 envelope protein or fragment thereof, or a combination thereof, said
modified envelope protein or fragment thereof having a V2 region deletion, wherein
said animal exhibits immunity to at least one HIV-1 strain other than that of said

9<u>...)</u> 10...)

11 2. The method of claim 1 wherein said immunity comprises a humoral response.

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The method of claim 1 wherein said immunogen comprises a modified HIV-1 envelope protein from a clade-B HIV-1 strain.

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4. The method of claim 3 wherein said HIV-strain is SF162.

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The method of claim 4 wherein said modified HIV-1 envelope protein is SEQ ID

No:2 or SEQ ID No:4.

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5. The method of claim 4 wherein said DNA encoding said at least one modified HIV-1 envelope protein is SEQ ID No:1 or SEQ ID No:3.

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The method of claim 2 wherein said humoral response comprises neutralizing antibodies.

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1	7.	The method of claim 2 wherein said humoral response comprises protective
2		antibodies.
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4	8.	The method of claim 1 wherein said animal is a human.
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6	9.	A method for eliciting a heterologous immune response to HIV-1 in an animal
7		comprising immunizing said animal with an immunogen comprising at least one
8		modified HIV-1 envelope protein or fragment thereof, or DNA or virus encoding said
9 .]		at least one modified HIV-1 envelope protein or fragment thereof, or a combination
		thereof, said modified envelope protein or fragment thereof having a V2 region
		deletion, wherein said animal exhibits a an envelope-specific immune response to at
[] 12[]		least one HIV-1 strain other than that of said immunogen.
13.5		
[]1 144	10.	The method of claim 9 wherein said envelope-specific immune response comprises a
1444		humoral response.
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17	11.	The method of claim 9 wherein said immunogen comprises a modified HIV-1
18		envelope protein from a clade-B HIV-1 strain.
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20	12.	The method of claim 11 wherein said HIV-strain is SF162.
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22	13.	The method of claim 12 wherein said modified HIV-1 envelope protein is SEQ ID
23		No:2 or SEQ ID No:4.

The method of claim 12 wherein said DNA encoding said at least one modified HIV-1 envelope protein is SEQ ID No:1 or SEQ ID No:3.

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one modified HIV-1 envelope protein is SEQ ID No:1 or SEQ ID No:3.

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The method of claim 23 wherein said depleting is carried out by administering to said animal anti-CD8 monoclonal antibodies.

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- The method of claim 23 wherein said compound is an HIV-derived polypeptide or fragment thereof or a DNA or virus encoding said peptide or fragment thereof.
- The method of claim 23 wherein said neutralizing antibodies are protective antibodies.